OREGON CROP WEATHER



Phone: 503-326-2131
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Toll Free 1-800-338-2157
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Email: nass-or@nass.usda.gov/or
Internet - www.nass.usda.gov/or

Weather: All weather stations reported precipitation last week. Coastal areas reported the most rain, with 5.44 inches in Bandon, and over 2 inches in Astoria, Florence, and Tillamook. Elsewhere, Aurora, Detroit Lake, and Roseburg received over 2 inches of rain. Most areas reported precipitation three to five days last week, however, Rome only received precipitation once, while Echo, Klamath Falls, and Redmond received rain six days. Despite the recent wet weather, seasonal snowpack percentages continue to be extremely low in the Oregon Cascades, still ranging from 15% to 50% of average. After almost an inch of rain last week, Madras seasonal precipitation is above normal, joining Bend, Burns, Redmond, Rome, Baker City, and Union. High temperatures were generally in the sixties and seventies throughout most of the State with a high of 82 degrees fahrenheit reported in Echo and Hermiston. Low temperatures remained in the thirties and forties.

Field Crops: Rain and wet field conditions slowed field work throughout Oregon last week. With the continued cool, wet weather producers were concerned about disease in small grain and grass seed fields, especially in the western part of the State. In eastern Oregon, crops are, for the most part, looking good. Wheat aphids and rust were causing problems in a few in Morrow County fields.

Livestock, Range and Pasture: Pastures and rangeland continue to be in good to excellent condition across most of the State. A few pastures in the Coastal areas experienced brief flooding during the week. In some areas the ranchers have had to settle for doing mostly indoor work during the rainy periods, getting outside to work in between showers. Livestock across most of the State are in good condition with plenty of green grass for grazing. Some areas are reporting high levels of pests (fleas, ticks, etc..). Bees have been out in full force pollinating and gathering nectar for their hive. This year looks to be a strong year for nectar.

Nurseries and Greenhouses: Nurseries were still making some shipments to eastern markets but are about done for the season. Field rotation of potted plants and fertilizing continued at most nurseries. Greenhouses still shipping plant material to retail outlets. The wet weather did slow down field operations at most nurseries and Christmas tree growers last week.

Soil Moisture-Week Ending 05/15/05

	Very short	Short	Adequate	Surplus		
	Percent	Percent	Percent	Percent		
Topsoil Subsoil	0 12	11 26	82 60	7 2		

Vegetables: Vegetables that were already planted in Jackson County, were showing good growth but it was still too wet to do a lot of planting. Rhubarb harvest continued in Clackamas County. Benton, Linn, and Lane counties reported vegetable crops including radishes, shallots, new potatoes, garlic, lettuce mixes, onions, chives and chard were going in slowly due to the soil moisture. Early planted garlic was emerging. There were concerns that Botrytis may be a big factor this year. About ten percent of potatoes were planted in Klamath County.

Fruits and Nuts: Apple scab and powdery mildew sprays were applied in the Willamette Valley. The bloom period on apples was very prolonged this spring due to the cool weather. Grape producers were starting to worry about mildew. Disease problems are more prevalent this spring due to wet conditions in the orchards. Strawberry bloom was well advanced in Clackamas County. Marionberry bloom was underway. Strawberries in Washington County were showing excellent growth; blooms were showing on most plants. Caneberries were well leafed. Walnuts were leafing and hazelnuts were showing nut growth. Prunes and apples were showing fruit. Southern Willamette Valley prunes, plums and peaches were done with bloom. Cherries, pears and early apples were nearly done with bloom. Many tree fruits will have poorer crops this year due to the extended wet weather and poor fruit set. Blackberries and raspberries were leafing out; blooms were appearing. Raspberries have an infestation of yellow rust. Blueberry bloom was mostly done. Botrytis was showing up on blueberry plants that were not protected. Strawberries were blooming and fruit was forming. Early strawberries grown in covered areas were showing up at market. Ripening of small fruit was one week delayed already. Hazelnut growers need to protect their trees from Eastern Filbert Blight as the rain continues. Early-week and weekend rain resulted in the initiation of pear scab infection periods throughout most of the Hood River Valley. Fire blight risk increased to moderate levels by the end of the week. Rainfall has postponed the need to start irrigating orchards. Orchard activities in Wasco County included spraying trees and mowing between rows of trees. No cranberry frost events were recorded on the coast last week. Southern Oregon fruit trees were done, or nearly done with bloom. There was some spraying, but conditions were mostly too wet. Caneberries and blueberries were in bloom; bees were active. Grapes were in bloom and leafing out.

Crop Progress-Week Ending 05/15/05

Стор	This	Last	Last	5 year	
	week	week	year	average	
	Percent	Percent	Percent	Percent	
Barley planted	93	90	91	92	
Barley emerged	81	80	71	78	
Spring wheat planted	98	98	98	97	
Spring wheat emerged	88	82	88	81	
Days suitable for fieldwork	3.6	4.1	-	-	

Crop Condition-Week Ending 05/15/05

Crop	Very poor	Poor	Fair	Good	Excellent		
	Percent	Percent	Percent	Percent	Percent		
Winter wheat	2	7	37	49	5		
Spring wheat Barley	0	14 0	44 37	37 36	27		
Range and pasture	3	3	25	59	10		

WESTERN OREGON

BENTON/LINN/LANE: Some are a little nervous about how wet it is. They still need water but not so much so fast. It is creating some rust and disease in grass seed, and people are concerned about pollination in the grass seed. Tthere is a lot of wheat in Benton County that is way down and they're not sure if it will pop back. With the rain, there are some concerns with row crops. There is uncertainty in planting dates and the need to switch fields. Some plant loading due to the heavy rains. Prunes, plums, peaches are done with bloom. Cherries, pears, and early apples are nearly done with bloom. Many tree fruits will have poorer crops due to the extended wet weather, and poor set. Hazelnut growers need to protect their trees from EFB as the rain continues! Blackberries and raspberries leafing out and blooms appearing. Raspberries have a severe infestation of yellow rust. Blueberry bloom is mostly done. Botrytis showing up on blueberry plants that were not protected. Strawberries are blooming and fruit is starting to form. Ripening of small fruit is one week delayed already. Early strawberries that are grown in covered areas are showing up at markets. Early crops and greenhouse vegetables including radishes, shallots, new potatoes, garlic, lettuce mixes, onions, chives, chard are going in slowly. Soil is very wet. Early garlic is coming out already. Botrytis may be big in garlic this year. Cold is effecting some greenhouse crops. Greenhouses are full of new plants. Many markets are just starting to grow. Sales are depending on the current weather patterns.

CLACKAMAS: Limited activity due to rain. Grain and hay crops have all the moisture needed. Strawberry blooming is well advanced. Marionberry blooming underway. Vegetable planting is mostly on hold until fields dry out a little. Rhubarb harvest continues. Nurseries are still making some shipments out of State. Greenhouses are supplying local retail outlets with adequate volumes of materials. Livestock are still in very good condition. Pastures have been flourishing in the warm rainy conditions.

COOS/CURRY: Overcast and unseasonably rainy weather conditions prevailed throughout the period. Bandon experienced 3.9 inches of rainfall on May 9th - normal for the entire month of May is 3.12 inches. Low lying pastures experienced brief flooding from surface water unable to run-off. Precipitation, although late in the season, is welcomed by farmers and ranches as well as fire and forestry officials. No cranberry frost events were recorded at this location during the week. AgriMet weather notes for the period: May 8 through May 14, 2005. Weather: Moderate precipitation. Days since precipitation of 0.25" or more at Bandon: 5 days, at Brookings-Harbor: 1 day. Average air temperatures at coastal AgriMet weather stations ranged from 54.9 at Bandon to 55.4 deg F at Brookings-Harbor; highs ranged from 65.9 at Bandon to 66.4 deg F at Brookings-Harbor, and lows ranged from 42.2 at Bandon to 47.5 deg F at Brookings-Harbor. Precipitation ranged from 2.71" at Brookings-Harbor to 5.25" at Bandon. Growing degree days (base 50 deg F) ranged from 43 GDD at Bandon to 45 GDD at Brookings-Harbor. Brookings-Harbor (BRKO) AgriMet weather station data for period May 8 through May 14, 2005:Reference Kimberly-Penman evapotranspiration: 0.83" Precipitation: 2.71", 4 precipitation days. Days since a precipitation event of 0.25" or more: I day Accumulated water year precipitation (from October 1, 2004 through May 14, 2005): 64.49" Extreme maximum, extreme minimum, and average air temperatures were 66.4, 47.5, and 55.4 deg F, respectively. Extreme maximum shielded Easter lily canopy temperature: 69.2 deg F. Extreme minimum shielded Easter lily canopy temperature: 45.8 deg F. Average maximum shielded Easter lily canopy temperature: 64.5 deg F. Average minimum shielded Easter lily canopy temperature: 50.4 deg F. Average daily global solar radiation: 412 calories per sq cm (Langleys). Average daily relative humidity: 88% Average daily dew point temperature: 44.8 deg F. Average daily wind speed: 2.6 mph; peak wind gust: 22.1 mph. Average 3", 6", and 12" soil temperatures under bare ground were 63.68, 62.61, and 62.78 deg F, respectively. 45 growing degree days (base 50 deg F) this week, 46 GDD the previous week. Bandon (BANO) AgriMet weather station data for period May 8 through May 14,2005: Reference Kimberly-Penman evapotranspiration: 0.87 Precipitation: 5.25", 4 precipitation days. Days since a precipitation event of or more: 5 days Accumulated water year precipitation (from October 1, 2004 through May 14,2005): 47.29" Extreme maximum, extreme minimum, and average air temperatures were 65.9,42.2, and 54.9 deg F, respectively. Extreme maximum shielded cranberry canopy temperature: 74.9 deg F. Extreme minimum shielded cranberry canopy temperature: 42.7 deg F. Average maximum shielded cranberry canopy temperature: 68.0 deg F. Average

minimum shielded cranberry canopy temperature: 48.5 deg F. Extreme minimum unshielded cranberry canopy temperature: 37.5 deg F. Average daily global solar radiation: 459 calories per sq cm (Langleys). Average daily relative humidity: 87% Extreme minimum relative humidity: 53% Average daily dew point temperature: 50.9 deg F. Average daily wind speed: 3.0 mph; peak wind gust: 21.0 mph. Average 1" and 4" soil temperatures under vegetation were 59.40 and 59.78 deg F, respectively. 43 growing degree days (base 50 deg F) this week, 39 GDD the previous week.

JACKSON: It was too wet to do much field work this week. There was rain the first 3 days of the week, so the ground was too wet. Four days were reasonable for outside work and, of course, there is always much work to be done. Most farmers and ranchers stayed busy with some inside work, and some outside work on the dry days. Grains that were already planted and up got a good shot and look quite good. With the rains, hay fields are really growing well. Apples and pears are also off to a good start. Some spraying, but mostly too wet. Vineyards are getting many shoots out and having good growth. Caneberries are getting ready to blossom. Vegetables that were already planted are showing good growth, but a bit too wet to do much planting this week. Greenhouses are still getting out new starts, both vegetable and decorative plants. Nurseries are busy with feeding and other plant care. There are still many potted and ball/burlap items for sale. Cattle, sheep, horses, goats and other forage animals are getting lots of good green grass in valley pastures. Many new babies are out with their mothers.

JOSEPHINE: Nursery sales are brisk. Overcast with slight showers off and on all week. It was great weather for working and dry enough to plow. Rain is rarely measurable so the ground is just right for working. Temperatures on the mild side. Field crops have not been planted yet, although they should be planting soon. Fruit trees should be done blooming soon, most are already done. Blueberries still have bloom clusters on them. Many bees this season. Apple trees and peach trees are showing signs of leaf curl and will probably have some other humid and rainy diseases before season over. Grapes are blooming and leafing out. Livestock and pasture are all in good condition. Have seen much evidence of pests such as ticks and fleas.

MARION: Rain has delayed spring planting and spray applications throughout the county. Rust is still a concern in fall wheat and some grasses. Grass fields look mostly good. There is plenty of soil moisture for now. Fair number of Cereal Leaf Beetle adults in spring grain crops, and a few larvae are beginning to emerge.

MULTNOMAH: It was a very wet week. Near record daily precipitation amounts for May.

POLK: Rain showers throughout the week prevented any necessary field work. Grass seed and spring wheat planted crops are looking good.

WASHINGTON: Sugarbeets for seed are growing well. Alfalfa is at cutting stage, but weather will not cooperate. Crimson clover is blooming and red clover is showing good growth. Grass for hay is heading, grass for seed is growing well in new seedings, and established fields are looking good. Strawberries are showing excellent growth and blooms showing on most plants. Caneberries are well leafed. Walnuts are leafing and hazelnuts are showing nut growth. Prunes and apples are showing new fruit. Potatoes and peas are doing well. New bedding plants and root stalk starts are being uncovered. Container plants rotation are ongoing. Cows and calves look well. Rained 2.2" last week with High temperature 76 F and low temerature 41 F.

YAMHILL: Tall Fescue is headed out and Crimson Clover is in bloom. Grass silage is beginning. Field inspections of cherries looks to be a very light crop. Grass fields are showing signs of spetroia if planted in October last year. Those planted later seem to be doing fine. Grape producers are beginning to worry about mildew. For commercial orchards in the Willamette Valley apple scab and powdery mildew sprays are being applied. The bloom period on apples was very prolonged this spring due to the cool weather. Disease problems are more prevalent this spring due to wet conditions in the orchards.

Oregon Crop Weather

EASTERN OREGON

DESCHUTES: Some spring planting delayed with continued heavy rain showers.

GILLIAM: The north end of the county did get some of the rain in the past week, but it was too little too late. The general opinion is most of the north end winter and spring crops in shallow soil will not improve, even with rain. The mid county wheat crops will probably fill more with the rain. The south end of the county seems to be about average.

HARNEY: Alfalfa and meadow hay growing. Range is good. The reservoir is fuller than normal. Good rains at the end of week, and sun in the middle of week.

HOOD RIVER: Early-week and weekend rain resulted in the initiation of pear scab infection periods throughout most of the Hood River Valley. Fire blight risk increased to moderate levels by the end of the week. Rainfall has postponed the need to start irrigating orchards.

KLAMATH: Cool wet weather continues. Planting slowed due to rains and wet field conditions. A break in the weather brought warmer temperatures late in the week. Producers took advantage of the break to plant some crops. However, it was still too wet to plant some fields. Some alfalfa hay has had sufficient moisture to not require irrigation as of yet. About ten percent of potatoes have been planted. Recent rains have helped previous water shortage. Pastures are in good to excellent condition. Rains have improved water irrigation outlook, and has also presented some planting activity.

LAKE: Received large amount of precipitation throughout the week and weekend. Experiencing some flooding in areas of the county.

MALHEUR: One cannot say there has been too much rain. However, there have been some poorly timed storms. Showers and rain the first part of the week added to soil moisture and delayed some irrigation and planting. Reservoir levels vary widely, but most areas are better off than they were a month ago. The first cutting of alfalfa has been delayed, and spring field work has been slowed. Nevertheless, winter wheat looks good, rangeland is in excellent

condition, and irrigation water availability has improved considerably. Overall, this spring is more promising than the last few years. Livestock and range conditions are still good.

MORROW: Rain continued. Forage is looking much better than early in the year. It remains to be seen how it will do when rains stop. Without any deep moisture, it will dry out fast. May rainfall totals (to date) range from 1.3 to 1.9 inches. Wet and cool conditions are improving outlook for wheat production this year. Yields are expected to range from 20 to 50 bu/ac, depending on location. Russian wheat aphid is causing problems in some small grain fields. Stripe rust has been observed on many varieties.

SHERMAN: Rain showers most of the week. Only two days without rain! Wheat has greened back up Winter wheat in the northern half of the county is either headed out or just coming out of the boot. Heads are not big, but there are many of them. Spring crops are looking much better, but are only three to four inches high in the south. Another week like last week about the 1st of June would be really nice!

UNION: More rain!

WASCO: This week, saw another inch and a quarter of precipitation added to the farm crops. The wind through the week hampered ground spraying on cereal crop fields. Early wheat areas in northern Wasco County are heading-out and most wild rye plants along roads and scattered in wheat fields are fully headed out. Rouging crews are eliminating the rye plants from the cereal crop fields. Shallow spots are starting to show up in wheat fields, indicating soil moisture is short, more rain would help. Activity in fruit orchards included spraying, and mowing grass strips between tree rows. Alfalfa is starting to bloom. Livestock on range and pasture grasses are doing quite well in most areas. Rain showers through the week, added pasture grasses and spring planted crops.

WALLOWA: Good moisture received during the first part of the week giving way to sunshine and warmer temperatures on Thursday and Friday. Crops are looking very good. Some barley still needs to be planted. Range conditions are good as far as grass, but some ponds are still not filling.

Oregon Crop Weather 3

Weather data for selected stations in Oregon, Week ending: May 15, 2005 (as of 11:00 am)

		Air temperature ¹			Growing ²		Last week precip. ³		Season cum. Precipitation ⁴				
Station				DFN	Degree	_	Total Inches	DFN	Days	Total Inches	DFN	Pct. Normal	Days
GO LOTHE LETTER	Low	High	Avg.	DFN	Total	DFN	Inches			Hiches		Mornia	
COASTAL AREAS	12	66	5.6	. 5	43	. 20	2.40	1.70	2	54.21	6.12	90	146
Astoria/Clatsop Bandon ⁵	43 42	66 66	56 55	+5	43 36	+29 +22	2.49 5.44	1.79 4.79	3 4	54.21 53.05	-6.13 -1.96	90 96	146 135
	42	66	55 56	+4 +5	36 46	+22 +18	1.42	0.72	3	50.18	-1.96	82	110
Cresent City Florence	43	69	55 55	+3	38	+18	2.98	2.09	4	56.70	-10.93	82 81	135
Tillamook	45	70	56	+5	48	+17	2.98	1.16	5	61.10	-13.09	76	144
WILLAMETTE	43	70	30	+0	40	+34	2.20	1.10	3	01.10	-19.10	70	144
VALLEY													
Aurora ⁵	48	77	59	+5	63	+31	2.04	1.55	5	26.61	-10.21	72	133
Corvallis	45	79	60	+7	71	+42	1.56	1.11	4	18.51	-20.59	47	103
Detroit Lake 5	40	73	55	+7	44	+33	2.14	1.37	5	31.59	-30.26	51	86
Eugene	39	77	57	+3	50	+13	1.38	0.89	4	22.96	-22.56	50	117
Hillsboro	44	72	58	+4	55	+24	1.96	1.61	5	23.56	-10.37	69	131
McMinnville	44	73	58	+4	56	+20	1.40	0.98	5	21.00	-19.24	52	127
Portland	49	73	59	+4	65	+21	1.46	0.97	5	23.03	-9.20	71	129
Salem	42	75	57	+4	51	+23	1.00	0.58	4	22.00	-13.71	62	115
SW VALLEYS		, .	0,		01	. 20	1.00	0.00	•			-	
Grants Pass	45	79	59	+2	65	+7	0.74	0.46	3	27.08	-2.31	92	97
Medford	44	79	59	+3	64	+13	0.57	0.36	3	16.10	-1.00	94	81
Roseburg	44	79	58	+3	60	+16	2.15	1.80	4	25.04	-5.25	83	99
NORTH CENTRAL				_									
Condon	37	75	55	+5	39	+25	1.25	0.98	5	9.24	-2.03	82	76
Echo 5	46	82	63	+5	91	+33	0.55	0.41	6	4.53	-3.06	60	90
Heppner	44	77	59	+5	64	+30	1.08	0.73	5	8.35	-2.93	74	87
Hermiston	44	82	62	+5	88	+30	0.51	0.37	4	5.06	-2.49	67	57
John Day	40	72	54	+2	29	+6	0.72	0.37	4	9.53	-0.17	98	92
Madras ⁵	39	72	55	+3	41	+13	0.89	0.75	5	8.32	0.10	101	92
Moro	42	75	57	+6	52	+30	1.22	1.02	4	7.63	-1.74	81	86
Parkdale 5	37	72	55	+1	38	+2	0.63	0.42	4	18.50	-10.48	64	119
Pendleton	45	78	59	+3	67	+18	0.85	0.64	5	6.72	-3.34	67	78
The Dalles	46	78	61	+9	80	+52	1.10	0.96	3	8.01	-2.78	74	80
SOUTH CENTRAL													
Agency Lake 5	37	69	51	+4	24	+17	0.49	0.28	4	11.56	-2.24	84	71
Bend	36	71	52	+4	28	+15	0.90	0.76	4	11.13	1.78	119	65
Burns	37	71	53	+4	29	+15	0.97	0.76	3	10.18	2.63	135	82
Christmas Valley 5	30	70	49	-4	11	-12	0.94	0.73	5	8.10	-1.69	83	73
Klamath Falls	32	71	50	-3	18	-3	1.15	0.94	3	10.47	-0.95	92	71
Klamath Falls 5	32	71	49	-3	16	-5	0.81	0.60	6	10.08	-1.34	88	101
Lakeview	34 32	72	49	-2 -3	16	+2	0.76	0.45	4	6.54	-6.21	51	52
Lorella 5		72	50	-3	18	-3	1.23	1.02	3	11.17	-0.25	98	101
Redmond Worden ⁵	36 31	74 72	54 49	+5 -3	36 18	+22	1.27 0.78	1.13	6 2	8.93 9.82	2.48 -1.60	138	73 87
NORTHEAST	31	12	49	-3	18	-3	0.78	0.57	2	9.82	-1.00	86	8/
	31	71	53	+2	29	+11	0.75	0.47	4	8.34	1.12	116	75
Baker City Joseph	38	68	53 52	+2 +6	29 21	+11	0.75	0.47	4	13.91	-6.20	69	102
La Grande	37	75	57	+6	52	+20	0.97	0.53	4	8.61	-6.20 -5.01	63	75
Prairie City ⁵	35	73	52	+4+7	24	+26 +24	0.88	0.33	4	10.89	-5.01 -5.96	65	68
Union	36	76	56 56	+7	45	+24 +27	0.72	0.38	5	10.89	1.20	112	85
SOUTHEAST	30	/0	30	+3	43	+21	0.77	0.42	3	10.98	1.20	112	0.5
Ontario	38	77	57	-2	53	-10	0.64	0.50	3	5.75	-2.12	73	48
Rome	37	75	55	+1	41	+6	0.04	-0.09	1	7.26	1.34	123	61
Kome	31	. 2~	33	1.1	71		0.12	0.07	1	7.20	1.54	123	01

¹ Air temperature in degrees Fahrenheit. ² Growing degree days base-50 degrees Fahrenheit. ³ Precipitation (rain or melted snow/ice) in inches. ⁴ Season cumulative precipitation starts September 1, 2004. ⁵ Agri-Met weather stations.

 $\begin{array}{l} DFN = & Departure\ from\ normal\ (using\ 1961-1990\ normals\ period). \\ Precipitation\ days = & Days\ with\ precipitation\ of\ 0.01\ inch\ or\ more. \end{array}$

Summary based on NWS data. Copyright 2005: AWIS, Inc. All Rights Reserved.

Janice A. Goodwin, Director

Laci Banks, Agricultural Statistician